Subject Index to Volume 5

ADL	5 (1984) 115
advanced production systems	5 (1984) 253
agriculture	5 (1984) 107
AI	5 (1984) 107
analysis	5 (1984) 3
APS	5 (1984) 253
artificial intelligence	5 (1984) 107
ASEA	5 (1984) 377
assembly	5 (1984) 107
audits	5 (1984) 297
automated integrated systems of data flow	5 (1984) 311
automobile industry	5 (1984) 125
autonomy	5 (1984) 115
biological analogy	5 (1984) 115
CAD	5 (1984) 3
CAD	5 (1984) 21
CAD	5 (1984) 41
CAD	5 (1984) 51
CAD	5 (1984) 253
CAD	5 (1984) 261
CAD	5 (1984) 295
CAD	5 (1984) 297
CAD	5 (1984) 311
CAD	5 (1984) 319
CAD	5 (1984) 329
CAD	5 (1984) 351
CAD	5 (1984) 367
CAD	5 (1984) 377
CAD database	5 (1984) 329
CAD/CAM	5 (1984) 221
CAD/CAM	5 (1984) 319
CAD/CAM integration	5 (1984) 329
CAD/CAM workstation	5 (1984) 221
CAE	5 (1984) 295
CAE	5 (1984) 297
CAL	5 (1984) 295
CAM	5 (1984) 41
CAM	5 (1984) 253
CAM	5 (1984) 261
CAM	5 (1984) 295
CAM	5 (1984) 297
CAM	5 (1984) 311

North-Holland
Computers in Industry 5 (1984) 421–426

CAM	5 (1984) 319
CAM	5 (1984) 329
CAM	5 (1984) 341
CAM	5 (1984) 351
CAM	5 (1984) 367
CAM	5 (1984) 377
CAP	5 (1984) 295
CAP	5 (1984) 341
CAT	5 (1984) 295
chips	5 (1984) 107
CIM	5 (1984) 253
CIM	5 (1984) 295
CIM	5 (1984) 311
civil engineering	5 (1984) 295
civil engineering	5 (1984) 367
classification	5 (1984) 107
CNC	5 (1984) 351
common database	5 (1984) 297
component catalog	5 (1984) 297
computer-aided drafting	5 (1984) 295
computer	5 (1984) 125
computer aided design	5 (1984) 253
computer aided manufacture	5 (1984) 3
computer aided manufacture	5 (1984) 253
computer application	5 (1984) 143
computer application	5 (1984) 211
computer applications	5 (1984) 107
computer control	5 (1984) 31
computer control	5 (1984) 115
computer graphics	5 (1984) 51
computer graphics	5 (1984) 295
computer-aided design	5 (1984) 295
computer-aided engineering	5 (1984) 295
computer-aided logistics	5 (1984) 295
computer-aided manufacture	5 (1984) 295
computer-aided manufacturing	5 (1984) 311
computer-aided production	5 (1984) 295
computer-aided production planning	5 (1984) 311
computer-aided testing	5 (1984) 295
computer-integrated manufacture	5 (1984) 295
control data base	5 (1984) 221
cooperative research	5 (1984) 253
CORE	5 (1984) 3
cucumbers	5 (1984) 107
cutting	5 (1984) 351
2.5-D	5 (1984) 351
3-D	5 (1984) 351
data formats	5 (1984) 361
data model	5 (1984) 295
data model performance evaluation	5 (1984) 319

data processing	5 (1984) 3
database	5 (1984) 319
database management system	5 (1984) 319
DBMS	5 (1984) 319
decentralized loop network	5 (1984) 115
decentralized system	5 (1984) 115
decision making	5 (1984) 311
democratization	5 (1984) 381
design	5 (1984) 3
design capture	5 (1984) 297
design validation	5 (1984) 297
detailing	5 (1984) 3
dialog CNC	5 (1984) 351
dialogue	5 (1984) 221
dispatcher training	5 (1984) 133
documentation	5 (1984) 3
electronic design	5 (1984) 297
electronic engineering	5 (1984) 295
electronics	5 (1984) 3
energy control system	5 (1984) 133
energy management system	5 (1984) 133
engineering	5 (1984) 3
engineering database	5 (1984) 239
engineering office automation	5 (1984) 3
ESPRIT	5 (1984) 377
expert systems	5 (1984) 329
fault tolerance	5 (1984) 115
feature graph	5 (1984) 329
finite-element mesh generation	5 (1984) 41
fishery	5 (1984) 107
flexible manufacturing systems	5 (1984) 261
FMPA	5 (1984) 115
form features	5 (1984) 329
free-form shapes	5 (1984) 205
free-form surface modelling	5 (1984) 41
frequency deviation calculation	5 (1984) 133
generation of drawings	5 (1984) 221
geometric model	5 (1984) 319
geometric modelling	5 (1984) 239
geometric modelling	5 (1984) 295
GKS	5 (1984) 3
graphic design	5 (1984) 51
graphic simulation	5 (1984) 221
graphics display	5 (1984) 221
graphics processing	5 (1984) 3
HAL	5 (1984) 115
image processing	5 (1984) 107

inspection	5 (1984) 107
integrated CAD/CAM	5 (1984) 239
integrated CAD/CAM systems	5 (1984) 205
integrated factory	5 (1984) 3
integrated plant control	5 (1984) 143
integrated systems	5 (1984) 143
integrated systems	5 (1984) 153
integrated systems	5 (1984) 295
integrated systems	5 (1984) 377
integrated toolset	5 (1984) 377
integrated use of CAD	5 (1984) 347
integration	5 (1984) 3
integration	5 (1984) 295
integration	5 (1984) 377
integration of CAD/CAM	5 (1984) 361
interactive design	5 (1984) 205
interface	5 (1984) 3
interfaces	5 (1984) 295
interfaces	5 (1984) 361
interference fits	5 (1984) 21
ISO	5 (1984) 21
Japan	5 (1984) 125
job design	5 (1984) 381
job redesign	5 (1984) 381
KIIS	5 (1984) 143
layout	5 (1984) 3
layout	5 (1984) 297
layout and computation	5 (1984) 221
lead time	5 (1984) 295
learning	5 (1984) 381
local computer network	5 (1984) 115
logic programming	5 (1984) 329
machine design	5 (1984) 239
machining	5 (1984) 351
manufacturing information	5 (1984) 294
manufacturing processes	5 (1984) 107
manufacturing tolerances	5 (1984) 21
marine design	5 (1984) 211
marine management	5 (1984) 211
marine production	5 (1984) 211
mechanical engineering	5 (1984) 295
mechanical engineering	5 (1984) 367
MEMO	5 (1984) 367
meta-system	5 (1984) 367
microcomputer	5 (1984) 31
microcomputer applications	5 (1984) 21
milling	5 (1984) 351
motion planning	5 (1984) 351

multilayer database 5 (1984) 319
multitasking 5 (1984) 31

NC machining 5 (1984) 41
NC programming 5 (1984) 221
NC-programming 5 (1984) 353
NCP 5 (1984) 115
network control processor 5 (1984) 115
Nissan 5 (1984) 125

operating system 5 (1984) 31
organizational structure 5 (1984) 381

package integration 5 (1984) 367
paper mill 5 (1984) 153
participation 5 (1984) 381
patch programming 5 (1984) 351
pattern recognition 5 (1984) 107
PCB 5 (1984) 107
PCB 5 (1984) 377
Philips elektronikindustrier AB 5 (1984) 377
physical documentation 5 (1984) 297
placement 5 (1984) 297
power network AC load flow 5 (1984) 133
power system control 5 (1984) 133
problem-oriented languages 5 (1984) 367
process capability 5 (1984) 21
process control 5 (1984) 31
process control 5 (1984) 125
process control 5 (1984) 143
process planning 5 (1984) 329
process planning 5 (1984) 341
product model 5 (1984) 341
product modelling 5 (1984) 239
product models 5 (1984) 361
product quality 5 (1984) 295
production control 5 (1984) 143
production process design 5 (1984) 261
productivity 5 (1984) 295
professional electronics 5 (1984) 377
projecting of manufacturing process 5 (1984) 221
PROLOG 5 (1984) 329

Quality of working life 5 (1984) 381

rapid transit system 5 (1984) 115
real time 5 (1984) 31
reference model 5 (1984) 295
robots 5 (1984) 107
routing 5 (1984) 297

scenario 5 (1984) 133

schematic documentation 5 (1984) 297
sculptured surfaces 5 (1984) 351
self-managing groups 5 (1984) 381
semi-autonomens work groups 5 (1984) 381
semiotics 5 (1984) 51
shoes 5 (1984) 351
simulator 5 (1984) 133
software 5 (1984) 367
software tools 5 (1984) 295
solid modeling 5 (1984) 329
solid modelling 5 (1984) 239
steel industry 5 (1984) 143
subway control 5 (1984) 115
swedish industry 5 (1984) 377
synthesis 5 (1984) 3
systrid 5 (1984) 41

telefon AB LM Ericsson 5 (1984) 377
termini 5 (1984) 297
tool path calculation 5 (1984) 351
tool-path generation 5 (1984) 205
tools 5 (1984) 377
traffic control 5 (1984) 115
train control 5 (1984) 115
training 5 (1984) 381
transportation system 5 (1984) 115
unified system 5 (1984) 297

visible language 5 (1984) 51
visual communication 5 (1984) 51
visual information displays 5 (1984) 51
visual syntax 5 (1984) 51

wiring tools 5 (1984) 363
work division man-machine 5 (1984) 311

Authors Index to Volume 5

Anderson, D.C., see Henderson, M.R. 5 (1984) 329
Bjorke, O., Advanced Production Systems (APS)-CAD/CAM Systems of the Future 5 (1984) 253
Eckhardt, W., Kessler, G., Kuntsche, P. and Kochan, D., The Development and Application of CAD/CAM Workstations in the GDR 5 (1984) 221
Ejiri, M., Kashioka, S. and Ueda, H., The Application of Image Processing Technology to Industrial Automation 5 (1984) 107
Emery, M., Learning and the Quality of Working Life 5 (1984) 381
Encarnacao, J., The Role of Interfaces, Product Models and Data Formats for the Integrated use of CAD and for the Integration of CAD/CAM 5 (1984) 361
Foster, J.C., Rosenthal, C.W., and Talmadge, R.N., The AT&T Technologies Unified CAD System for Electronic Design 5 (1984) 297
Fransson, L.H., CAD/CAM Integration in Professional Electronics 5 (1984) 377
Fukushima, N., see Ryuzawa, S. 5 (1984) 133
Henderson, M.R. and Anderson, D.C., Computer Recognition and Extraction of Form Features: A CAD/CAM Link 5 (1984) 329
Hermann, G., Free-Form Shapes: An integrated CAD/CAM System 5 (1984) 205
Hermann, G., Patch Programming: The Integration of Motion Planning into Numerical Control 5 (1984) 351
Hosaka, M., see Kimura, F. 5 (1984) 239
Hyuga, Y., see Inoue, Y. 5 (1984) 143
Ihara, H., see Miyamoto, S. 5 (1984) 115
Inoue, Y., Takanashi, K., Miyazawa, M. and Hyuga, Y., Management and Control Systems in the Steel Industry 5 (1984) 143
Kashioka, S., see Ejiri, M. 5 (1984) 107
Kawabe, S., see Kimura, F. 5 (1984) 239
Kawagoe, K., see Managaki, M. 5 (1984) 319
Kessler, G., see Eckhardt, W. 5 (1984) 221
Kimura, F., Kawabe, S., Sata, T. and Hosaka, M., A Study on Product Modelling for Integration of CAD/CAM 5 (1984) 239
Kochan, D., Integrated Information Processing for Manufacturing from CAD/CAM to CIM 5 (1984) 311
Kochan, D., see Eckhardt, W. 5 (1984) 221
Koivo, H.N. and Peitomaa, A., Microcomputer Real-Time Multi-Tasking Operating Systems in Control Applications 5 (1984) 31
Kuntsche, P., see Eckhardt, W. 5 (1984) 221
Kuo, C. and MacCallum, K.J., Computer Aided Applications in Ship Technology 5 (1984) 211
Kyttner, R., see Tamm, B. 5 (1984) 367
Lagodimos, A.G. and Manolakos, E., Computer-Aided Selection of ISO Manufacturing Limits for Interference Fit Joints 5 (1984) 21
MacCallum, K.J., see Kuo, C. 5 (1984) 211
Managaki, M., Kawagoe, K. and Naniwada, M., A Model and Its Implementation in a Practical CAD/CAM Database 5 (1984) 319
Manolakos, E., see Lagodimos, A.G. 5 (1984) 21
Marcus, A., Graphic Design for Computer Graphics 5 (1984) 51

North-Holland
Computers in Industry 5 (1984) 427–428

Matsumaru, H., see Miyamoto, S. 5 (1984) 115
Miura, T., see Oshima, Y. 5 (1984) 103
Miyamoto, S., Mori, K., Ihara, H., Matsumaru, H. and Ohshima, H., Autonomous Decentralized Control and Its Application to the Rapid Transit System 5 (1984) 115
Miyazawa, M., see Inoue, Y. 5 (1984) 143
Mochizuki, K., see Ryuzawa, S. 5 (1984) 133
Mori, K., see Miyamoto, S. 5 (1984) 115
Moseng, B. and Nes, B.H., Integration of CAD/CAM as Seen From the Production Planners Point of View 5 (1984) 341
Naniwada, M., see Managaki, M. 5 (1984) 319
Nes, B.H., see Moseng, B. 5 (1984) 341
Oshima, H., see Miyamoto, S. 5 (1984) 115
Oshima, Y. and Miura, T., Computers in Japanese Industry 5 (1984) 103
Peitomaa, A., see Koivo, H.N. 5 (1984) 31
Plotko, V.P., see Tsvetkov, V.E. 5 (1984) 261
Puuden, J., see Tamm, B. 5 (1984) 353
Rosenthal, C.W., see Foster, J.C. 5 (1984) 297
Ryuzawa, S., Fukushima, N. and Mochizuki, K., A Dynamic Simulator for Dispatcher Training 5 (1984) 133
Sata, T., see Kimura, F. 5 (1984) 239
Stark, J., Experience with the Development and Use of a CAD/CAM System 5 (1984) 41
Takanashi, K., see Inoue, Y. 5 (1984) 143
Talmadge, R.N., see Foster, J.C. 5 (1984) 297
Tamm, B., Kyttner, R., Vilipyld, J. and Puuden, J., A System for CAD/CAM Software Development and Implementation 5 (1984) 367
Tanaka, S., A Mill-Wide System for a Paper Mill 5 (1984) 153
Tsvetkov, V.E., Tsymbal, G.Ja. and Plotko, V.P., Computer-Aided Design of Production Processes and Control Programs for Flexible Manufacturing Systems 5 (1984) 261
Tsymbal, G. Ja., see Tsvetkov, V.E. 5 (1984) 261
Ueda, H., see Ejiri, M. 5 (1984) 107
Ueda, K., Total Computer Control Systems in an Automobile Industry 5 (1984) 125
Vilipyld, J., see Tamm, B. 5 (1984) 367
Vlietstra, J., ARCADE – An Architecture for CAD in Electronics 5 (1984) 3
Vlietstra, J., Integration Aspects in CAD and CAM 5 (1984) 295